

## EAST Search History

| Ref # | Hits | Search Query   | DBs                | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--------------------|------------------|---------|------------------|
| L1    | 3844 | (428/846.9 or 428/848 or 428/848.2 or 428/848.3 or 428/848.8 or 428/409 or 428/410 or 428/426).ccls.   | US-PGPUB;<br>USPAT | OR               | ON      | 2006/12/22 16:14 |
| L2    | 103  | (65/404).ccls.   | US-PGPUB;<br>USPAT | OR               | ON      | 2006/12/22 16:15 |
| L3    | 864  | (438/691).ccls.  | US-PGPUB;<br>USPAT | OR               | ON      | 2006/12/22 16:15 |
| L4    | 415  | (428/64.2).ccls.   | US-PGPUB;<br>USPAT | OR               | ON      | 2006/12/22 16:17 |
| L5    | 555  | (501/54 or 501/55).ccls.   | US-PGPUB;<br>USPAT | OR               | ON      | 2006/12/22 16:17 |
| L6    | 38   | (I1 or I2 or I3 or I4 or I5) and glass and ("SiO.sub.2") and ("Al.sub.2O.sub.3") and (CaO) and (BaO) and (MgO) and (SrO) and (ZnO) and ("K.sub.2O") and ("Li.sub.2O") and ("Na.sub.2O") and ("ZrO.sub.2") and ("TiO.sub.2")  | US-PGPUB;<br>USPAT | OR               | ON      | 2006/12/22 16:20 |
| L7    | 481  | (I1 or I2 or I3 or I4 or I5) and "magnetic recording"  | US-PGPUB;<br>USPAT | OR               | ON      | 2006/12/22 16:20 |
| L8    | 11   | (I1 or I2 or I3 or I4 or I5) and glass and etch\$ and hydrosilicofluoric and magnetic  | US-PGPUB;<br>USPAT | OR               | ON      | 2006/12/22 16:21 |
| S1    | 50   | ("5368921" "4343875" "5814255" "4579107" "4622058" "4632877" "4882212" "4956227" "5024883" "5192622" "5232962" "5296833" "5298332" "5309471" "5336357" "5441803" "5698725" "5739888" "5939343" "6057037" "6159385" "4266089" "4277522" "4302706" "4365021" "4368221" "4372987" "4446191" "4511601" "4535026" "4584245" "4761518" "4861689" "5204289" "5209798" "5250360" "5273834" "5283104" "5337475" "5391604" "5421979" "5431964" "5464657" "5514451" "5533158" "5557120" "5680185" "5733370" "5763059" "5780162" ).pn. | US-PGPUB;<br>USPAT | OR               | OFF     | 2006/11/27 19:15 |
| S2    | 6685 | "501"/\$.cior.   | US-PGPUB;<br>USPAT | OR               | OFF     | 2006/10/10 13:03 |
| S3    | 1    | "20040265643"  | US-PGPUB;<br>USPAT | OR               | OFF     | 2006/10/11 13:39 |
| S4    | 1    | "7097924"  | US-PGPUB;<br>USPAT | OR               | OFF     | 2006/10/11 13:49 |

## EAST Search History

|     |     |  |                    |    |     |                  |
|-----|-----|--|--------------------|----|-----|------------------|
| S5  | 1   | "20050089725"  | US-PGPUB;<br>USPAT | OR | OFF | 2006/10/11 13:49 |
| S6  | 5   | ("5391622", "6162751", "6440531",<br>"6387510", "20020010066").pn.   | US-PGPUB;<br>USPAT | OR | OFF | 2006/11/22 16:33 |
| S7  | 8   | ("5368921" "4343875" "5814255"<br>"4579107" "4622058" "4632877"<br>"4882212" "4956227" "5024883"<br>"5192622" "5232962" "5296833"<br>"5298332" "5309471" "5336357"<br>"5441803" "5698725" "5739888"<br>"5939343" "6057037" "6159385"<br>"4266089" "4277522" "4302706"<br>"4365021" "4368221" "4372987"<br>"4446191" "4511601" "4535026"<br>"4584245" "4761518" "4861689"<br>"5204289" "5209798" "5250360"<br>"5273834" "5283104" "5337475"<br>"5391604" "5421979" "5431964"<br>"5464657" "5514451" "5533158"<br>"5557120" "5680185" "5733370"<br>"5763059" "5780162" ).pn. and<br>"glass transition" | US-PGPUB;<br>USPAT | OR | OFF | 2006/11/22 16:46 |
| S8  | 375 | glass and ("SiO.sub.2") and ("Al.<br>sub.2O.sub.3") and (CaO) and<br>(BaO) and (MgO) and (SrO) and<br>(ZnO) and ("K.sub.2O") and ("Li.<br>sub.2O") and ("Na.sub.2O") and<br>("ZrO.sub.2") and ("TiO.sub.2")  | US-PGPUB;<br>USPAT | OR | OFF | 2006/12/22 16:19 |
| S9  | 159 | S8 and (("SiO.sub.2") same ("Al.<br>sub.2O.sub.3") same (CaO) same<br>(BaO) same (MgO) same (SrO)<br>same (ZnO) same ("K.sub.2O")<br>same ("Li.sub.2O") same ("Na.sub.<br>2O") same ("ZrO.sub.2") same<br>("TiO.sub.2"))   | US-PGPUB;<br>USPAT | OR | OFF | 2006/11/24 13:49 |
| S10 | 85  | S9 and (("SiO.sub.2") with ("Al.sub.<br>2O.sub.3") with (CaO) with (BaO)<br>with (MgO) with (SrO) with (ZnO)<br>with ("K.sub.2O") with ("Li.sub.2O")<br>with ("Na.sub.2O") with ("ZrO.sub.<br>2") with ("TiO.sub.2"))  | US-PGPUB;<br>USPAT | OR | OFF | 2006/11/24 13:50 |
| S11 | 54  | S10 and ("428"/\$ or "501"/\$ or<br>"65"/\$)   | US-PGPUB;<br>USPAT | OR | OFF | 2006/11/24 13:52 |
| S12 | 1   | "20050162956"  | US-PGPUB;<br>USPAT | OR | OFF | 2006/11/24 13:53 |
| S13 | 16  | S11 and (ikensishi or zou)   | US-PGPUB;<br>USPAT | OR | OFF | 2006/11/24 13:53 |
| S14 | 16  | S11 and (ikensishi or zou)   | US-PGPUB;<br>USPAT | OR | ON  | 2006/11/24 14:06 |

## EAST Search History

|     |      |   |                    |    |     |                  |
|-----|------|---|--------------------|----|-----|------------------|
| S15 | 1    | S12 and (ikensishi or zou)  | US-PGPUB;<br>USPAT | OR | ON  | 2006/11/24 14:06 |
| S16 | 19   | S10 and (ikensishi or zou)  | US-PGPUB;<br>USPAT | OR | ON  | 2006/11/24 14:06 |
| S17 | 3    | S16 not S13   | US-PGPUB;<br>USPAT | OR | ON  | 2006/11/24 14:07 |
| S18 | 2    | (zou and hashimoto).inv.  | US-PGPUB;<br>USPAT | OR | OFF | 2006/11/27 19:15 |
| S19 | 378  | glass and ("SiO.sub.2") and ("Al.sub.2O.sub.3") and (CaO) and (BaO) and (MgO) and (SrO) and (ZnO) and ("K.sub.2O") and ("Li.sub.2O") and ("Na.sub.2O") and ("ZrO.sub.2") and ("TiO.sub.2")            | US-PGPUB;<br>USPAT | OR | OFF | 2006/12/04 17:26 |
| S20 | 161  | S19 and (("SiO.sub.2") same ("Al.sub.2O.sub.3") same (CaO) same (BaO) same (MgO) same (SrO) same (ZnO) same ("K.sub.2O") same ("Li.sub.2O") same ("Na.sub.2O") same ("ZrO.sub.2") same ("TiO.sub.2")) | US-PGPUB;<br>USPAT | OR | OFF | 2006/12/14 19:17 |
| S21 | 87   | S20 and (("SiO.sub.2") with ("Al.sub.2O.sub.3") with (CaO) with (BaO) with (MgO) with (SrO) with (ZnO) with ("K.sub.2O") with ("Li.sub.2O") with ("Na.sub.2O") with ("ZrO.sub.2") with ("TiO.sub.2")) | US-PGPUB;<br>USPAT | OR | OFF | 2006/12/04 17:26 |
| S22 | 19   | S21 and (ikensishi or zou)  | US-PGPUB;<br>USPAT | OR | ON  | 2006/12/04 17:26 |
| S23 | 1112 | (glass same "etch rate")  | US-PGPUB;<br>USPAT | OR | OFF | 2006/12/14 12:56 |
| S24 | 1340 | (glass same "etch rate")  | US-PGPUB;<br>USPAT | OR | ON  | 2006/12/14 12:56 |
| S25 | 439  | S24 and (glass with "etch rate")  | US-PGPUB;<br>USPAT | OR | ON  | 2006/12/14 12:56 |
| S26 | 0    | S25 and ("SiO.sub.2") and ("Al.sub.2O.sub.3") and (CaO) and (BaO) and (MgO) and (SrO) and (ZnO) and ("K.sub.2O") and ("Li.sub.2O") and ("Na.sub.2O") and ("ZrO.sub.2") and ("TiO.sub.2")              | US-PGPUB;<br>USPAT | OR | OFF | 2006/12/14 12:59 |
| S27 | 0    | S25 and ("SiO.sub.2") and ("Al.sub.2O.sub.3") and (CaO) and ("K.sub.2O") and ("Na.sub.2O")  | US-PGPUB;<br>USPAT | OR | OFF | 2006/12/14 13:00 |
| S28 | 0    | S25 and ("SiO.sub.2") and ("Al.sub.2O.sub.3") and (CaO) and ("Na.sub.2O")   | US-PGPUB;<br>USPAT | OR | OFF | 2006/12/14 13:01 |

## EAST Search History

|     |    |   |                    |    |     |                  |
|-----|----|---|--------------------|----|-----|------------------|
| S29 | 0  | S25 and ("SiO.sub.2") and ("Al.sub.2O.sub.3") and (CaO)   | US-PGPUB;<br>USPAT | OR | OFF | 2006/12/14 13:01 |
| S30 | 6  | S25 and ("SiO.sub.2") and (CaO)   | US-PGPUB;<br>USPAT | OR | OFF | 2006/12/14 13:03 |
| S31 | 15 | S24 and ("SiO.sub.2") and (CaO)   | US-PGPUB;<br>USPAT | OR | OFF | 2006/12/14 13:03 |
| S32 | 9  | S31 not S30   | US-PGPUB;<br>USPAT | OR | OFF | 2006/12/14 13:10 |
| S33 | 4  | (S31 or S30) and ("etch rate" same nm)  | US-PGPUB;<br>USPAT | OR | OFF | 2006/12/14 13:11 |
| S34 | 89 | ("Tg" or "glass transition") and ("SiO.sub.2") same ("Al.sub.2O.sub.3") same (CaO) same (BaO) same (MgO) same (SrO) same (ZnO) same ("K.sub.2O") same ("Li.sub.2O") same ("Na.sub.2O") same ("ZrO.sub.2") same ("TiO.sub.2")) | US-PGPUB;<br>USPAT | OR | OFF | 2006/12/14 19:18 |
| S35 | 18 | S34 and (("Tg" or "glass transition") same "600")   | US-PGPUB;<br>USPAT | OR | OFF | 2006/12/14 19:24 |
| S36 | 7  | S35 and magnetic  | US-PGPUB;<br>USPAT | OR | OFF | 2006/12/14 19:20 |
| S37 | 11 | S35 not S36   | US-PGPUB;<br>USPAT | OR | OFF | 2006/12/14 19:24 |
| S38 | 88 | "magnetic recording" and (("Tg" or "glass transition") same "600")  | US-PGPUB;<br>USPAT | OR | OFF | 2006/12/14 19:25 |
| S39 | 85 | S38 not S35   | US-PGPUB;<br>USPAT | OR | OFF | 2006/12/14 19:31 |
| S40 | 1  | "20020023463"   | US-PGPUB;<br>USPAT | OR | OFF | 2006/12/14 19:47 |
| S41 | 1  | "20060255055"   | US-PGPUB;<br>USPAT | OR | OFF | 2006/12/14 19:50 |
| S42 | 1  | "20060264571"   | US-PGPUB;<br>USPAT | OR | OFF | 2006/12/14 19:55 |
| S43 | 1  | "20060243197"   | US-PGPUB;<br>USPAT | OR | OFF | 2006/12/14 19:56 |
| S44 | 1  | "20060243198"   | US-PGPUB;<br>USPAT | OR | OFF | 2006/12/14 19:57 |
| S45 | 1  | "20060248619"   | US-PGPUB;<br>USPAT | OR | OFF | 2006/12/14 19:57 |
| S46 | 0  | "638510".pn.  | US-PGPUB;<br>USPAT | OR | OFF | 2006/12/14 21:23 |
| S47 | 1  | "6387510".pn.   | US-PGPUB;<br>USPAT | OR | OFF | 2006/12/14 21:25 |
| S48 | 1  | "20060216552".pn.   | US-PGPUB;<br>USPAT | OR | OFF | 2006/12/14 21:25 |

## EAST Search History

|     |      |  |                 |    |     |                  |
|-----|------|--|-----------------|----|-----|------------------|
| S49 | 28   | (glass same etch\$) and hydrosilicofluoric and (etch\$ and (smoothness or smooth or flat or flatness)) | US-PGPUB; USPAT | OR | ON  | 2006/12/15 14:22 |
| S50 | 4    | (glass same etch\$) and hydrosilicofluoric and ("Tg" or "glass transition temperature")                | US-PGPUB; USPAT | OR | ON  | 2006/12/15 14:25 |
| S51 | 7    | glass and etch\$ and hydrosilicofluoric and ("Tg" or "glass transition temperature")                   | US-PGPUB; USPAT | OR | ON  | 2006/12/15 16:02 |
| S52 | 72   | glass and etch\$ and (("Tg" or "glass transition temperature") same "600") and magnetic                | US-PGPUB; USPAT | OR | ON  | 2006/12/15 15:59 |
| S53 | 2    | ("5499731", "5895582").pn. and etch\$  | US-PGPUB; USPAT | OR | ON  | 2006/12/15 16:00 |
| S54 | 0    | ("5499731", "5895582").pn. and hydrosilicofluoric  | US-PGPUB; USPAT | OR | ON  | 2006/12/15 16:00 |
| S55 | 19   | glass and etch\$ and hydrosilicofluoric and magnetic   | US-PGPUB; USPAT | OR | ON  | 2006/12/22 16:20 |
| S56 | 7    | S55 and ("etching rate" or "etch rate")  | US-PGPUB; USPAT | OR | ON  | 2006/12/15 16:17 |
| S57 | 0    | "10164363"   | US-PGPUB; USPAT | OR | OFF | 2006/12/18 14:53 |
| S58 | 1    | "20030228315"  | US-PGPUB; USPAT | OR | OFF | 2006/12/18 14:54 |
| S59 | 5352 | antibodies and ATPase  | US-PGPUB; USPAT | OR | OFF | 2006/12/18 15:00 |
| S60 | 2832 | S59 and heart  | US-PGPUB; USPAT | OR | OFF | 2006/12/18 14:55 |
| S61 | 899  | S59 AND "heart disease"  | US-PGPUB; USPAT | OR | OFF | 2006/12/18 14:57 |
| S62 | 94   | S61 and (antibodies same ATPase)   | US-PGPUB; USPAT | OR | OFF | 2006/12/18 15:24 |
| S63 | 1    | "4581270".pn.  | US-PGPUB; USPAT | OR | OFF | 2006/12/18 19:10 |
| S64 | 1    | "6387510".pn.  | US-PGPUB; USPAT | OR | OFF | 2006/12/18 19:10 |
| S65 | 34   | glass and etch\$ and (hydrosilicofluoric or silicofluoric) and magnetic                                | US-PGPUB; USPAT | OR | ON  | 2006/12/19 14:50 |
| S66 | 497  | glass and etch\$ and (hydrofluoric with sulfuric with hydrochloric with nitric)                        | US-PGPUB; USPAT | OR | ON  | 2006/12/19 14:59 |
| S67 | 23   | S66 and "magnetic recording"   | US-PGPUB; USPAT | OR | ON  | 2006/12/19 15:00 |

## EAST Search History

|     |    |                              |                    |    |     |                  |
|-----|----|------------------------------|--------------------|----|-----|------------------|
| S68 | 21 | S65 and "magnetic recording" | US-PGPUB;<br>USPAT | OR | ON  | 2006/12/22 16:20 |
| S69 | 15 | S67 not S68                  | US-PGPUB;<br>USPAT | OR | ON  | 2006/12/19 15:04 |
| S70 | 0  | "cd distruction"             | US-PGPUB;<br>USPAT | OR | ON  | 2006/12/19 15:05 |
| S71 | 0  | "CD distruction"             | US-PGPUB;<br>USPAT | OR | ON  | 2006/12/19 15:05 |
| S72 | 0  | CD same distruction          | US-PGPUB;<br>USPAT | OR | ON  | 2006/12/19 15:06 |
| S73 | 12 | CD and distruction           | US-PGPUB;<br>USPAT | OR | ON  | 2006/12/19 15:06 |
| S74 | 1  | "6387510".pn.                | US-PGPUB;<br>USPAT | OR | OFF | 2006/12/21 21:00 |
| S75 | 1  | "20050121839"                | US-PGPUB;<br>USPAT | OR | OFF | 2006/12/21 21:00 |